

Product datasheet for **MG216407**

Psap11 (NM_175249) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Psap11 (NM_175249) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Psap11
Synonyms:	2310020A21Rik
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>MG216407 representing NM_175249
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGGGCACTATGTCTGCGCTCTGATTCTCTGGTCTGGCCTCCTGGGGGCTGCCAGGGCCAGCCCCATCT
 CAGTTCGCCGTGAGTGTGCCAAGGGTTCGGAGGTATGGTGTAGGACCTGCAGGCAGCTGCAAAGTGTCTG
 GGCCGTGAGGCACTGCCAGAGTGTCTGGAACAAGCCACAGTCAAGTCCCTGCCCTGCAGTGTGTGC
 CAGGATGTGGCCGCGCTGCTGGCAATGGGGTGAACCCAGGTGCTACAGAGTCGGATATTTTGACATCAG
 TAATGAAGACCTGTGAGTGGCTTCCAAGCCAGGAGTCTTCAGCTAAGTGCAGTGGATGGTGAACAACCA
 CAGCGCAGCTGCTCTGAGCATGCTCAGTGGCGCTCAGGAGACTGACCTGGCTTCTGTGTGCACTGCGCTC
 ACCCTCTGTGAACCATTACAGAGGCACCTAGCTGAGACTACCTCGGAGAGACCGCTGACCCAGGAGGATG
 CAAATGAGGTGATGGCCCCATTCTATCCAACGGGGCGTTGAGCTTCCACCCATCACAGATGCCTGAAGG
 TGCTGTGTGTCATGATTGTGTCCAGCTGATCTCCTTGCTCCAGGATGCTCTAGAGTCTAATTTGACCTTG
 GCAGAGGTAAGTTCAGAAATCAGTGTCTAGTCCATGCGGGCTGGCTGGCTGCCCTCTGCGAGAACTACA
 TCCACCGGCAGTTTGTCCCTGCTAAGCAAACATTGCAAGGGTCTCCCCCACAGGAGGTCTGCAGGAAGGG
 GGGCTTCTGTGAGAGAGAGTCTGCCCACTGGCTGACTCGAGTGGCCGCTGTGGATGGAGTCCCCTCTCTG
 GAGATGGAGATGCCGAGGACGAATGAGTTGCAGATGCAGTTGGGCTGACGTGCGACGTGTGCTTGAAC
 TGGTCCAGGAGCTGGACAAGTGGCTTGTGACCAACAGCACAGAAGCTCTCATCAGCCACACACTGGAGCG
 AGTGTGCACCGTAGTGCCCGAGCCTCTAGTCCAACAGTGCATCACCTGGTAGACACCTACAGCCCTGAA
 TTGGTGCAGCTCATGTCAAAGTCAACCCAGAGAAAGTATGTGAGACCATCAAGCTGTGTGGCAGCAAAA
 GGCGGGCCAGTCCATCTCCAGGGCTGTGGCAACACACCATCCCTGCCGGTGGATGAGGAAAACAGGG
 CAGCTTCTGCCAAGGGTGCAAAAGGCTGCTGGGCATGTCTTCCCAGAATCTGGACCACAAGAGACCAAG
 CGGGACATTCTGAATGCCTTCAAAGGTGGCTGCCGGATCCTGCCGTTGCCTTATGTGATGCAGTGAACC
 GTTTTGTGGCCGAGTATGAACCTGTGCTCATAGAGAGCCTCAAGTTCATGATGAACCCACGGACCTATG
 CAAGAAGATGGGGCCTGCCACGGCCCTAAGACTCCACTTCTAGGCACAGATCAGTGCATGAGGCCCC
 AGCTTCTGGTGAAGAGCCAGAGGCGCTGAAATGTGTAATGCCCTGGAACACTGCCAGCGCCTCGTGT
 GGAAAAAGCCCGTCTCCAAAATCAACGAGCAGCCA

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence:

>MG216407 representing NM_175249
 Red=Cloning site Green=Tags(s)

MGTMLCALILWSGLLGAARASPIVSPRECAKSEVWCQDLQAAAKCRAVRHCQSAYVWNKPTVKSLPCSVK
 QDVAAAAGNGVNP GATESDILTSVMKTCEWLP SQESSAKCKWMVNNHSAAVLSMLSGAQETDLASVCTAL
 TLCEPLQRHLAETT SERPLTQEDANEVMAPFLSNGALSFHPSQMPEGAVCHDCVQLISLLQDALESNLT
 AEVTVQNQCQSMGPGAALCENYIHRQFVPAKQTLQGLPPQEVCRKGGFCERESAHWLTRVAAVDGVPSL
 EMEMPRTNELQMQGLTCDVCLNLVQELDKWLVNTEALISHTLERVCTVPEPLVQQCITLVDTYSPE
 LVQLMSKVTPKVCETIKL CGSKRRRARSISRAVATTPSLPVDEENQGSFCQGCKRLLGMSSQNL DHKSTK
 RDILNFAFKGGCRILPLPYVMQCNRFVAEYEPVLIESLKFMMNPTDLCKKMGACHGPKTPLLGTDQCVMPG
 SFWCKSPEAAEMCNAL EHCQRLVWKKPVS KINEQP

TRTRPLE - GFP Tag - V

Restriction Sites:

Sgfl-Mlul

Cloning Scheme:


ACCN: NM_175249

ORF Size: 1575 bp

OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

Components: The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).

Reconstitution Method:

1. Centrifuge at 5,000xg for 5min.
2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.
3. Close the tube and incubate for 10 minutes at room temperature.
4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.
5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.

RefSeq: [NM_175249.3](#), [NP_780458.2](#)

RefSeq Size: 2548 bp

RefSeq ORF: 1578 bp

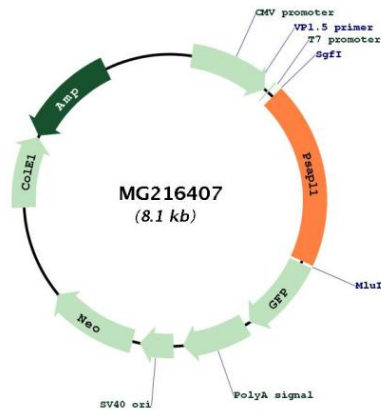
Locus ID: 76943

UniProt ID: [Q8C1C1](#)

Cytogenetics: 5 B3

Gene Summary: May activate the lysosomal degradation of sphingolipids.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MG216407